#### IN THE CLAIMS

Please cancel claims 2, 12, 17, 18, 22, 23, 32, 35 thru 37, 39 thru 41, 43 and 45 thru 47 without prejudice or disclaimer, amend claims 1, 3 thru 9, 13 thru 16, 19 thru 21, 24 thru 31, 33, 34, 38, 42 and 44, and add claims 48 and 49, as follows:

1. (Currently Amended) An electrophotographic image printing method for an electrophotographic imaging apparatus, comprising the steps of:

providing an electrophotographic imaging apparatus, the electrophotographic imaging apparatus including: a charge roller; a developer roller; a laser scanning unit; a transfer roller; an organic photoconductor; a power supply unit for supplying power to the charge roller, the developer roller, the laser scanning unit, and the transfer roller; and a controller for controlling the power supply unit, the charge roller, the developer roller, the laser scanning unit, the transfer roller, and the organic photoconductor;

selecting a resolution for electrophotographic printing;

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charging the organic photoconductor by selectively applying, to the charge roller, a charge voltage corresponding to the resolution selected for the electrophotographic printing;

setting the charge voltage applied to the charge roller to be relatively higher in magnitude for a lower level of the resolution selected than for a higher level of the resolution selected;

forming an electrostatic latent image on the charged organic photoconductor by

means of the laser scanning unit and applying toner particles adhering to the developer roller to the electrostatic latent image to form a visible image; and

transferring the visible image formed on the organic photoconductor to a print medium.

### Claim 2. (Canceled)

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- 3. (Currently Amended) The method of claim 1, further comprised of: wherein the resolution selected [[being]] is any one of 600 dpi. and 1200 dpi.
- 4. (Currently Amended) The method of claim 1, wherein further comprised of: applying a charge voltage of -1.35 kV is applied to the charge roller as the charge voltage when the resolution selected is 1200 dpi., and applying a charge voltage to the charge roller of -1.4 kV is applied to the charge roller as the charge voltage when the selected resolution is 600 dpi.
- 5. (Currently Amended) The method of claim 1, wherein further comprised of: applying selectively the charge voltage is selectively applied to the charge roller to reduce a gray pattern level variation.
  - 6. (Currently Amended) [[The]] An electrophotographic printing method of claim

2	5, further comprised of: reducing the for an electrophotographic imaging apparatus,
3	comprising the steps of:
4	providing an electrophotographic imaging apparatus, the electrophotographic
5	imaging apparatus including: a charge roller; a developer roller; a laser scanning unit; a
6	transfer roller; an organic photoconductor; a power supply unit for supplying power to the
7	charge roller, the developer roller, the laser scanning unit, and the transfer roller; and a
8	controller for controlling the power supply unit, the charge roller, the developer roller,
9	the laser scanning unit, the transfer roller, and the organic photoconductor;
10	selecting a resolution for electrophotographic printing;
11	charging the organic photoconductor by selectively applying, to the charge roller,
12	a charge voltage corresponding to the resolution selected for the electrophotographic
13	printing;
14	forming an electrostatic latent image on the charged organic photoconductor by
15	means of the laser scanning unit and applying toner particles adhering to the developer
16	roller to the electrostatic latent image to form a visible image; and
17	transferring the visible image formed on the organic photoconductor to a print
18	medium;
19	wherein a gray pattern level variation at a low resolution is reduced by applying a
20	charge voltage to the charge roller that is relatively increased large in magnitude with

respect relative to a charge voltage applied to the charge roller to reduce the gray pattern

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level variation at a high resolution.

1	7. (Currently Amended) The method of claim 1, further comprised comprising the
2	step of:
3	selectively adjusting the charge voltage applied to the charge roller corresponding
4	in correspondence to the resolution selected for the electrophotographic printing to
5	reduce image concentration variation.
1	8. (Currently Amended) An electrophotographic printing method for an
2 .	electrophotographic imaging apparatus, comprising the [[step]] steps of:
3	providing an electrophotographic imaging apparatus, the electrophotographic
4	imaging apparatus including: a charge roller; a developer roller; a laser scanning unit; a
5	transfer roller; an organic photoconductor; a power supply unit for supplying power to the
6	charge roller, the developer roller, the laser scanning unit, and the transfer roller; and a
7	controller for controlling the power supply unit, the charge roller, the developer roller,
8	the laser scanning unit, the transfer roller, and the organic photoconductor[[:]];
9	selecting a print mode for electrophotographic printing;
10	charging the organic photoconductor by selectively applying, to the charge roller,
11	a charge voltage [[whose]] having a magnitude which is dependent upon the print mode
12	selected for the electrophotographic printing:

means of the laser scanning unit and applying toner particles adhering to the developer

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forming an electrostatic latent image on the charged organic photoconductor by

roller to the electrostatic latent image to form a visible image; and

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transferring the visible image formed on the organic photoconductor to [[said]] a print medium;

wherein a charge voltage of -1.4 kV is applied to the charge roller as the charge voltage when the print mode selected is a text mode, and a charge voltage of -1.35 kV is applied to the charge roller as the charge voltage when the print mode selected is a graphics mode.

- 9. (Currently Amended) The electrophotographic printing method of claim 8, the voltage magnitude applied to the charge roller [[being]] <u>having</u> a relatively higher magnitude when <u>a</u> text mode is selected as [[a]] <u>the</u> print mode than when <u>a</u> graphics mode is selected as [[a]] the print mode.
- 10. (Previously Presented) The method of claim 8, the print mode selected corresponding to one of a text mode and a graphics mode.
- 11. (Previously Presented) The method of claim 10, the text mode being of a relatively lower resolution than a resolution for the graphics mode.

#### Claim 12. (Canceled)

1	13. (Currently Amended) The method of claim 8, wherein it is a DC magnitude of
2	voltage and not an AC magnitude of voltage applied to the charge roller that is varied and
3	dependent upon the selected print mode.
1	14. (Currently Amended) [[The]] An electrophotographic printing method of
2	claim 13, further comprised of: reducing the for an electrophotographic imaging
3	apparatus, comprising the steps of:
4	providing an electrophotographic imaging apparatus, the electrophotographic
5	imaging apparatus including: a charge roller; a developer roller; a laser scanning unit; a
6	transfer roller; an organic photoconductor; a power supply unit for supplying power to the
7	charge roller, the developer roller, the laser scanning unit, and the transfer roller; and a
8	controller for controlling the power supply unit, the charge roller, the developer roller,
9	the laser scanning unit, the transfer roller, and the organic photoconductor;
10	selecting a print mode for electrophotographic printing;
11	charging the organic photoconductor by selectively applying, to the charge roller,
12	a charge voltage having a magnitude which is dependent upon the print mode selected for
13	the electrophotographic printing;
14	forming an electrostatic latent image on the charged organic photoconductor by
15	means of the laser scanning unit and applying toner particles adhering to the developer
16	roller to the electrostatic latent image to form a visible image; and

transferring the visible image formed on the organic photoconductor to a print

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wherein a gray pattern level variation at a low resolution is reduced by applying a charge voltage to the charge roller that is relatively increased large in magnitude with respect relative to a charge voltage applied to the charge roller to reduce the gray pattern level variation at a high resolution.

- 15.(Currently Amended) The method of claim 8, further comprised comprising the 1 step of: 2
  - selectively adjusting the charge voltage applied to the charge roller corresponding in correspondence to the print mode selected for the electrophotographic printing to reduce image concentration variation.
- 16. (Currently Amended) An electrophotographic imaging apparatus for 2 electrophotographic printing, comprising:
- a charge roller; 3
- a developer roller; 4
- a laser scanning unit; 5
- a transfer roller; 6
- an organic photoconductor; 7
- a power supply unit for supplying power to the charge roller, the developer roller, 8
- the laser scanning unit, and the transfer roller; 9

10	a controller for controlling the power supply unit, the charge roller, the developed
11	roller, the laser scanning unit, the transfer roller, and the organic photoconductor;
12	means for selecting a resolution for electrophotographic printing;
13	means for charging the organic photoconductor that selectively applies applying.
14	to the charge roller, a charge voltage so as to charge the organic photoconductor, the
15	charge voltage corresponding to the resolution selected for the electrophotographic
16	printing;
17	means for forming an electrostatic latent image on the charged organic
18	photoconductor, and for applying toner particles adhering to the developer roller to the
19	electrostatic latent image to form a visible image; and
20	means for transferring the visible image formed on the organic photoconductor to
21	a print medium;
22	wherein the charge voltage selectively applied to the charge roller is relatively
23	large in magnitude for a lower level of the selected resolution and is relatively small in
24	magnitude for a higher level of the selected resolution.

# Claims 17-18. (Canceled)

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19. (Currently Amended) The electrophotographic imaging apparatus of claim 16, wherein 18, further comprised of: the means for charging applies to the charge roller a charge voltage of -1.35 kV is applied to the charge roller as the charge voltage when the

- resolution selected is 1200 dpi., and the means for charging applies a charge voltage to
- 5 the charge roller of -1.4 kV is applied to the charge roller as the charge voltage when the
- 6 resolution selected is 600 dpi.

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- 20. (Currently Amended) The electrophotographic printing apparatus of claim 16, wherein further comprised of: the means for charging selectively applies to the charge roller a charge voltage of one of -1.4kV and -1.35kV is selectively applied to the charge roller as the charge voltage.
- 21. (Currently Amended) An electrophotographic imaging apparatus for electrophotographic printing, comprising:
- 3 a charge roller;
- 4 a developer roller;
- 5 a laser scanning unit;
- 6 a transfer roller;
- an organic photoconductor, said organic photoconductor being charged by said charge roller;
- an input unit allowing for input of a print job, and for input of a print mode for said print job;
- a power supply unit supplying power to the charge roller, the developer roller, the laser scanning unit, and the transfer roller; and

a controller connected to said input unit and said power supply unit, said controller being programmed and configured to control the power supply unit, the charge roller, the developer roller, the laser scanning unit, the transfer roller, and the organic photoconductor, said controller being programmed and configured to cause said power supply unit to apply either one of a first voltage having a first magnitude [[or]] and a second and different voltage having a second, different magnitude to said charge roller based on [[said]] a selected print mode for said print job, said laser scanning unit illuminating said organic photoconductor to form an electrostatic latent image on the charged organic photoconductor, said developer roller applying toner particles to the electrostatic latent image on the organic photoconductor, [[;]] said transfer roller transferring the visible image formed on the organic photoconductor to a print medium;

wherein the power supply unit selectively charges the charge roller with a charge voltage that is relatively high in magnitude when said selected print mode is text mode and relatively low in magnitude when said selected print mode is graphics mode.

# Claims 22 and 23. (Canceled)

24. (Currently Amended) The electrophotographic imaging apparatus of claim [[23]] 21, wherein the power supply unit applies, to the charge roller, a charge voltage of -1.35 kV DC as the first voltage magnitude when the print mode selected is the graphics

- 4 mode, and the power supply unit applies, to the charge roller, a charge voltage of -1.4 kV
- DC as the second voltage magnitude when the print mode selected is the text mode.

- 25. (Currently Amended) The electrophotographic printing apparatus of claim 21, said controller being programmed and configured to cause said laser scanning unit to illuminate said organic photoconductor to form said latent image on said organic photoconductor at one of a first power [[or]] and a second and different power based on said selected the print mode selected.
- 26. (Currently Amended) The method of claim 1, wherein, during the charging step, said controller and said power supply unit automatically applying apply a different magnitude of DC voltage to said charge roller based on said selected resolution immediately prior to and during the formation of said electrostatic image on said organic photoconductor.
- 27. (Currently Amended) The method of claim 26, said laser scanning unit automatically applying a different power during said forming step based on said voltage magnitude of said voltage applied to said charge roller.
- 28. (Currently Amended) The method of claim 8, wherein, during the charging step, said controller and said power supply unit automatically applying apply a different

- magnitude of voltage to said charge roller based on said selected print mode immediately
- 4 prior to and during the formation of said electrostatic image on said organic
- 5 photoconductor.

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- 29. (Currently Amended) The method of claim 28, said laser scanning unit automatically applying a different power during said forming step based on said voltage magnitude of said voltage applied to said charge roller.
- 30. (Currently Amended) The apparatus of claim 16, wherein said controller and said power supply unit automatically applying apply a different magnitude of voltage of a different magnitude to said charge roller based on said selected resolution immediately prior to and during the formation of said electrostatic image on said organic photoconductor.
- 31. (Currently Amended) The apparatus of claim 30, said laser scanning unit automatically applying a different power during said forming of said latent image based on said voltage magnitude of said voltage applied to said charge roller.

### Claim 32. (Canceled)

33. (Currently Amended) The apparatus of claim [[32]] 26, said laser scanning

- unit automatically applying a different power during said forming of said latent image
  based on said voltage magnitude of said voltage applied to said charge roller.
  - 34. (Currently Amended) A method for forming an image in an electrophotographic apparatus, said method comprising the steps of:
  - submitting a print job <u>from a user</u> via software via a user, said print job comprising a type of print job [[input]] <u>selected</u> by said user via software;
    - automatically charging a charge roller to a magnitude of voltage based on the type of print job selected by the user prior to printing;
    - charging [[a]] <u>an</u> organic photoconductor drum via said charge roller <del>adjacent to</del> said photoconductor drum;
    - forming a latent image on [[the]] said photoconductor drum by illuminating said photoconductor drum via a light source, a power of said light source forming the latent image being based on [[said]] the magnitude of voltage applied to which said charge roller is charged; and
    - adjacent to said photoconductor drum, said developer roller supplying toner particles to [[the]] said photoconductor drum to convert said latent image on said photoconductor drum into said visible image; and
  - transferring the visible image to a print medium;

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wherein, when the type of print job is a resolution of the print job, the magnitude

of voltage to which said charge roller is charged is greater for a lower resolution and 19 smaller for a higher resolution. 20

Claims 35-37. (Canceled)

38. (Currently Amended) The method of claim [[37]] 34, wherein said controller causing causes said light source to operate at an appropriate power level based on said the magnitude of voltage applied to said charge roller.

Claims 39-41. (Canceled)

- (Currently Amended) An electrophotographic imaging apparatus for 42. electrophotographic printing, comprising: 2
  - a charge roller;

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- a developer roller;
- a laser scanning unit; 5
- a transfer roller; 6
  - a photoconductive drum, said photoconductive drum being charged by said charge roller, said laser scanning unit illuminating said photoconductive drum to form a latent image on said photoconductive drum, and said charge roller, said developer roller, said transfer roller and said laser scanning unit being disposed in operational relationship to

said photoconductive drum;

an input unit for inputting a print job and selecting a print mode for said print job;

a power supply unitsupplying unit for supplying power to the charge roller, the developer roller, the laser scanning unit, and the transfer roller; and

a controller connected between said input unit and said power supply, said controller beingprogrammed being programmed and configured to controlthe control the power supply unit and cause said power supply to apply either one of a first DC voltage magnitude [[or]] and a second and different DC voltage magnitude to said charge roller based on said selected print mode for said print job, said laser scanning unit illuminating said photoconductive drum to forman form an electrostatic latent image on the charged photoconductive drum, said developer roller applying toner particles to the electrostatic latent image on the photoconductive drum to form a visible image on the photoconductive drum, said transfer roller transferring the visible image formed on the photoconductive drum to a print medium;

wherein the power supply unit selectively charges the charge roller with a charge voltage that is relatively high in DC magnitude when said selected print mode is text mode, and with a charge voltage which is relatively low when said print mode is graphics mode.

Claim 43. (Canceled)

44. (Currently Amended) The electrophotographic imaging apparatus of claim 42, the the power wherein the power supply unit applies, to the charge roller, a charge voltage of -1.35 kV DC as the first voltage magnitude when the selected print mode is the graphics mode, and the power supply unit applies, a charge voltage to the charge roller, a charge voltage of -1.4 kV DC as the second voltage magnitude when the selected print mode is the text mode.

## Claims 45-47. (Canceled)

48. (New) A method for forming an image in an electrophotographic apparatus, said method comprising the steps of:

submitting a print job from a user via software, said print job comprising a type of print job selected by said user;

automatically charging a charge roller to a magnitude of voltage based on the type of print job selected by the user prior to printing;

charging an organic photoconductor drum via said charge roller;

forming a latent image on said photoconductor drum by illuminating said photoconductor drum via a light source, a power of said light source forming the latent image being based on the magnitude of voltage to which said charge roller is charged; and creating a visible image from said latent image via a developer roller positioned adjacent to said photoconductor drum, said developer roller supplying toner particles to

- said photoconductor drum to convert said latent image on said photoconductor drum into said visible image; and
- transferring the visible image to a print medium;
- wherein, when the type of print job is a selection between a text mode and a graphics mode, the magnitude of voltage to which said charge roller is charged is greater for the text mode and smaller for the graphics mode.
- 1 49. (New) The method of claim 48, wherein said controller causes said light source to operate at an appropriate power level based on the magnitude of voltage applied to said charge roller.